

SEQUENCE LISTING

<110> Dyson, Michael  
Friede, Martin  
Greenwood, Judith  
Hewitt, Ellen  
Lamont, Alan  
Mason, Sean  
Randall, Roger  
Turnell, William Gordon  
Van Mechelen, Marcelle Paulette  
Vinals y de Bassols, Carlota

<120> Epitopes or Mimotopes Derived from the  
C-Epsilon-2 Domain of IgE, Antagonists Thereof, and Their  
Therapeutic Uses

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<141> 2000-02-22

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<151> 1999-02-25

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<400> 100

Arg Gly Arg Asn Gln Ile Met Asp Leu Glu Ile  
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<400> 101

Gln Ile Asp Arg Gln Ile Thr Asp Thr Leu Leu  
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<223> Chimeric

<400> 102

Arg Glu Gln Gln Ile Ser Asp Val Pro Arg Val

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<211> 12

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<400> 103

Cys Gln Ala Met Asp Ala Glu Ile Leu Asn Gln Val

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<210> 104

<211> 11

<212> PRT

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<223> Chimeric

<400> 104

Gly Gln Met Met Asp Thr Glu Leu Leu Asn Arg

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<210> 105

<211> 11

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<220>

<223> Chimeric

<400> 105

Ser Met Glu Gly Gln Val Arg Asp Ile Gln Val

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<400> 106  
Tyr Gln Gln Arg Asp Leu Glu Leu Leu Ala Glu  
1 5 10

<210> 107  
<211> 11  
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<400> 107  
Ser Met Gly Gln Lys Val Asp Arg Glu Leu Val  
1 5 10

<210> 108  
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<400> 108  
Ser Met Gly Gln Glu Val Asp Arg Glu Leu Val  
1 5 10

<210> 109  
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<220>

<223> Chimeric

<400> 109

Ala Glu Asn Asp Gln Met Val Asp Trp Glu Ile

1 5 10

<210> 110

<211> 11

<212> PRT

<213> Artificial Sequence

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<223> Chimeric

<400> 110

Gly Gly Trp Gln Glu Ser Asp Ile Pro Gly Arg

1 5 10

<210> 111

<211> 11

<212> PRT

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<223> Chimeric

<400> 111

Gly Gly Trp Gln Glu Lys Asp Lys Glu Leu Arg

1 5 10

<210> 112

<211> 12

<212> PRT

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<223> Chimeric

<400> 112

His Cys Cys Arg Ile Asp Arg Glu Val Ser Gly Ala

1

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<210> 113

<211> 12

<212> PRT

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<223> Chimeric

<400> 113

Cys Ala Pro Gly Met Gly Cys Trp Glu Ser Val Lys

1

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<210> 114

<211> 17

<212> PRT

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<223> Chimeric

<400> 114

Ser Cys Arg Glu Val Trp Leu Gly Gly Ser Glu Met Ile Met Asp Cys

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Glu

<210> 115

<211> 17

<212> PRT

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<223> Chimeric

<400> 115

Ser Cys Pro Ala Phe Pro Arg Glu Gly Asp Leu Cys Ala Pro Pro Thr  
1 5 10 15  
Val

<210> 116

<211> 17

<212> PRT

<213> Artificial Sequence

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<223> Chimeric

<400> 116

Phe Cys Pro Glu Pro Ile Cys Ser Pro Pro Leu Ser Arg Met Thr Leu  
1 5 10 15  
Ser

<210> 117

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 117

Glu Cys Asn Gln Asn Leu Ser Gly Ser Leu Arg His Val Asp Leu Asn  
1 5 10 15  
Cys

<210> 118

<211> 17

<212> PRT

<213> -+Artificial Sequence

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<223> Chimeric



<400> 118

Arg Cys Asp Gln Gln Leu Pro Arg Asp Ser Tyr Thr Phe Cys Met Met

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Ser

<210> 119

<211> 17

<212> PRT

<213> Artificial Sequence

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<223> Chimeric

<400> 119

His Cys Gln Gln Val Phe Phe Pro Gln Asp Tyr Leu Trp Cys Gln Arg

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15

Gly

<210> 120

<211> 17

<212> PRT

<213> Artificial Sequence

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<223> Chimeric

<400> 120

Asp Cys Glu Glu Pro Met Cys Ser Pro Val Leu Leu Gln Lys Leu Lys

1

5

10

15

Pro

<210> 121

<211> 17

<212> PRT

<213> Artificial Sequence

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<223> Chimeric

<400> 121

Asn Cys Gln Asp Gln Met Leu Arg Glu Asp Ala Gly Cys Trp Ser Lys

1

5

10

15

Ile

<210> 122

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 122

His Cys Glu Glu Pro Glu Tyr Ser Pro Ala Thr Arg Val Phe Cys Gly

1

5

10

15

Arg

<210> 123

<211> 17

<212> PRT

<213> Artificial Sequence

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<223> Chimeric

<400> 123

Asp Cys Asp Trp Ile Asn Pro Pro Asp Pro Pro His Phe Trp Lys Asp

1

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10

15

Thr

<210> 124

<211> 17

<212> PRT

<213> Artificial Sequence

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<223> Chimeric

<400> 124

Ala Cys Phe Ser Arg Asn Gly Gln Val Thr Asp Val Pro His Ser Cys

1

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10

15

Tyr

<210> 125

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 125

Lys Cys Pro Thr Tyr Pro Lys Pro Asn Asp Arg Cys Leu Trp Pro Val

1

5

10

15

Pro

<210> 126

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 126

Tyr Cys Pro Lys Tyr Pro Leu Glu Gly Asp Cys Leu Leu Asp Asn Asp

1

5

10

15

Tyr

<210> 127

<211> 17  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chimeric

<400> 127  
Arg Cys Glu Glu Trp Leu Cys Ile Pro Pro Ala Pro Ala Phe Ala Pro  
1 5 10 15  
Pro

<210> 128  
<211> 17  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chimeric

<400> 128  
Thr Cys Gly Gln Ser Glu Leu Arg Cys Ala Ser Leu Glu Thr His His  
1 5 10 15  
Val

<210> 129  
<211> 16  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chimeric

<400> 129  
Asn Cys Asn Asp Asn Pro Met Leu Asp Cys Met Pro Ala Trp Ser Ser  
1 5 10 15

<210> 130

<211> 12  
<212> PRT  
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<220>  
<223> Chimeric

<400> 130  
Asp Ala Leu Asp Glu Arg Ala Trp Arg Ala Arg Ala  
1 5 10

<210> 131  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chimeric

<400> 131  
Ser Cys Gln Gly Arg Glu Val Arg Arg Glu Cys Trp  
1 5 10

<210> 132  
<211> 12  
<212> PRT  
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<220>  
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<400> 132  
Val Cys Asp Glu Cys Val Ser Arg Glu Leu Ala Leu  
1 5 10

<210> 133  
<211> 12  
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<400> 133

Trp Cys Leu Glu Pro Glu Cys Ala Pro Gly Leu Leu  
1 5 10

<210> 134

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> Chimeric

<400> 134

Asp Cys Leu Ser Lys Gly Gln Met Ala Asp Leu Cys  
1 5 10

<210> 135

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 135

Val Cys Asp Glu Cys Val Ser Arg Glu Leu Ala Leu  
1 5 10

<210> 136

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 136

Gly Cys Pro Thr Trp Pro Arg Val Gly Asp His Cys  
1 5 10

<210> 137

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 137

Arg Cys Gln Ser Ala Arg Val Val Pro Glu Cys Trp  
1 5 10

<210> 138

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 138

Ser Cys Ala Pro Ser Gly Asp Cys Gly Tyr Lys Gly  
1 5 10

<210> 139

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 139

Gly Cys Pro Met Trp Pro Gln Pro Asp Asp Glu Cys  
1 5 10

<210> 140  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chimeric

<400> 140  
Glu Cys Pro Arg Trp Pro Leu Met Gly Asp Gly Cys  
1 5 10

<210> 141  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chimeric

<400> 141  
Gly Cys Gln Val Gly Glu Leu Val Trp Cys Arg Glu  
1 5 10

<210> 142  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chimeric

<400> 142  
Gln Cys Val Arg Asp Gly Thr Arg Lys Val Cys Met  
1 5 10

<210> 143  
<211> 12  
<212> PRT  
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<220>

<223> Chimeric

<400> 143

Thr Cys Leu Val Asp Arg Gln Glu Ser Asp Val Cys  
1 5 10

<210> 144

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> Chimeric

<400> 144

Asp Cys Val Val Asp Gly Asp Arg Leu Val Cys Leu  
1 5 10

<210> 145

<211> 12

<212> PRT

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<220>

<223> Chimeric

<400> 145

Arg Cys Glu Gln Gly Ala Leu Arg Cys Val Gly Glu  
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<210> 146

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 146

Val Cys Pro Pro Gly Trp Lys Asn Leu Gly Cys Asn  
1 5 10

<210> 147

<211> 12

<212> PRT

<213> Artificial Sequence

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<223> Chimeric

<400> 147

Met Cys Gln Gly Trp Glu Ile Val Ser Glu Cys Trp  
1 5 10

<210> 148

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 148

Ala Asp Gly Ala Gly Cys Phe Met Asn Lys Gln Met Ala Asp Leu Glu  
1 5 10 15  
Leu Cys Pro Arg Glu Ala Ala Glu Ala  
20 25

<210> 149

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 149

Ala	Asp	Gly	Ala	Gly	Cys	Phe	Met	Asn	Lys	Gln	Met	Ala	Asp	Leu	Glu
1				5					10					15	
Leu	Cys	Pro	Arg	Thr	Ala	Ala	Glu	Ala							
			20					25							

<210> 150

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 150

Ala	Asp	Gly	Ala	Ala	Cys	Phe	Met	Asn	Lys	Gln	Met	Ala	Asp	Leu	Glu
1				5					10					15	
Leu	Cys	Pro	Arg	Val	Ala	Ala	Glu	Ala							
			20					25							

<210> 151

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 151

Ala	Asp	Gly	Ala	Gly	Cys	Phe	Ile	Asn	Lys	Gln	Leu	Ala	Asp	Leu	Glu
1				5					10					15	
Leu	Cys	Pro	Arg	Val	Ala	Ala	Glu	Ala							
			20					25							

<210> 152

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 152

Ala Asp Gly Ala Gly Cys Phe Ile Asn Lys Gln Leu Ala Asp Leu Glu  
1 5 10 15  
Leu Cys Pro Arg Glu Ala Ala Glu Ala  
20 25

<210> 153

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 153

Ala Asp Gly Ala Gly Cys Phe Met Asn Lys Gln Leu Ala Asp Leu Glu  
1 5 10 15  
Met Cys Pro Arg Asp Asp Ala Glu Ala  
20 25

<210> 154

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 154

Ala Asp Gly Ala Gly Cys Phe Met Asn Lys Gln Leu Ala Asp Pro Glu  
1 5 10 15  
Leu Cys Pro Arg Glu Ala Glu Glu Ala  
20 25

<210> 155

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 155

Ala	Asp	Gly	Ala	Gly	Cys	Phe	Met	Asn	Lys	Gln	Leu	Val	Asp	Leu	Glu
1				5					10					15	
Leu	Cys	Pro	Arg	Gly	Ala	Ala	Glu	Ala							
			20					25							

<210> 156

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 156

Ala	Asp	Gly	Ala	Gly	Cys	Phe	Met	Asn	Asn	Gln	Leu	Ala	Asp	Trp	Glu
1				5					10					15	
Leu	Cys	Pro	Arg	Ala	Ala	Ala	Glu	Ala							
			20					25							

<210> 157

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 157

Ala	Asp	Gly	Ala	Gly	Cys	Phe	Met	Asn	Lys	Gln	Met	Ala	Asp	Trp	Glu
1				5					10					15	
Met	Cys	Pro	Arg	Ala	Ala	Ala	Glu	Ala							
			20					25							

<210> 158

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 158

Ala	Asp	Gly	Ala	Gly	Cys	Phe	Met	Asn	Lys	Gln	Gln	Ala	Asp	Leu	Glu
1				5					10					15	
Leu	Cys	Pro	Arg	Gly	Ala	Ala	Glu	Ala							
			20					25							

<210> 159

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 159

Ala	Asp	Gly	Ala	Glu	Cys	Phe	Met	Asn	Lys	Gln	Leu	Ala	Asp	Ser	Glu
1				5					10					15	
Leu	Cys	Pro	Arg	Val	Ala	Ala	Glu	Ala							
			20					25							

<210> 160

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 160

Ala	Asp	Gly	Ala	Gly	Cys	Phe	Met	Asn	Lys	Gln	Leu	Ala	Asp	Leu	Glu
1				5					10					15	
Leu	Cys	Pro	Arg	Glu	Ala	Ala	Glu	Ala							
			20					25							

<210> 161

<211> 25  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chimeric

<400> 161  
Ala Asp Gly Ala Gly Cys Phe Ile Asn Met Gln Met Ala Asp Gln Glu  
1 5 10 15  
Leu Cys Pro Arg Ala Ala Ala Glu Ala  
20 25

<210> 162  
<211> 25  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chimeric

<400> 162  
Ala Asp Gly Ala Gly Cys Phe Ile Asn Lys Gln Met Ser Asp Phe Glu  
1 5 10 15  
Leu Cys Pro Arg Glu Ala Gly Glu Ala  
20 25

<210> 163  
<211> 25  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chimeric

<400> 163  
Ala Asp Gly Ala Gly Cys Phe Ile Asn Lys Gln Met Ala Asp Leu Glu  
1 5 10 15  
Leu Cys Thr Arg Glu Ala Ala Glu Ala  
20 25

<210> 164  
<211> 25  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chimeric

<400> 164  
Ala Asp Gly Ala Gly Cys Phe Ile Asn Lys Gln Met Ala Asp Leu Glu  
1 5 10 15  
Leu Cys Pro Arg Gln Ala Ala Glu Ala  
20 25

<210> 165  
<211> 25  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chimeric

<400> 165  
Ala Asp Gly Ala Gly Cys Phe Ile Asn Asn Gln Met Ala Asp Leu Glu  
1 5 10 15  
Leu Cys Pro Arg Gly Gly Ala Glu Ala  
20 25

<210> 166  
<211> 25  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chimeric

<400> 166  
Ala Asp Gly Ala Gly Cys Phe Ile Asn Lys Gln Met Ala Asp Trp Glu  
1 5 10 15



Leu Cys Pro Arg Glu Gly Ala Glu Ala  
20 25

<210> 167

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 167

Ala Asp Gly Ala Gly Cys Phe Ile Asn Lys Gln Met Ala Asp Leu Glu  
1 5 10 15  
Leu Cys Pro Ser Gln Ala Ala Glu Ala  
20 25

<210> 168

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 168

Ala Asp Gly Ala Gly Cys Phe Ile Asn Lys Gln Met Ala Asp Leu Glu  
1 5 10 15  
Leu Cys Pro Arg Glu Gly Ala Glu Ala  
20 25

<210> 169

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 169

Ala Asp Gly Ala Gly Cys Phe Ile Asn Lys Gln Met Ala Asp Ser Glu  
1 5 10 15  
Leu Cys Pro Arg Glu Pro Ala Glu Ala  
20 25

<210> 170

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 170

Ala Asp Gly Ala Gly Cys Phe Ile Lys Lys Gln Met Ala Asp Leu Glu  
1 5 10 15  
Leu Cys Pro Arg Glu Ala Trp Glu Ala  
20 25

<210> 171

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 171

Ala Asp Gly Ala Glu Cys Phe Ile Asn Lys Gln Met Ala Asp Arg Glu  
1 5 10 15  
Leu Cys Ala Arg Glu Val Ala Glu Ala  
20 25

<210> 172

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 172

Ala Asp Gly Ala Gly Cys Phe Ile Asp Lys Gln Met Ala Asp Leu Glu  
1 5 10 15  
Leu Cys Pro Arg Ala Ala Ala Glu Ala  
20 25

<210> 173

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 173

Ala Asp Gly Ala Gly Cys Phe Ile Asn Lys Gln Met Ala Asp Leu Glu  
1 5 10 15  
Leu Cys Arg Arg Glu Ala Gly Glu Ala  
20 25

<210> 174

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 174

Ala Asp Gly Ala Gly Cys Phe Lys Asn Lys Gln Met Val Asp Ser Glu  
1 5 10 15  
Leu Cys Ala Arg Gln Ala Ala Glu Ala  
20 25

<210> 175

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 175

Ala	Asp	Gly	Ala	Gly	Cys	Phe	Gln	Asn	Lys	Gln	Met	Ala	Asp	Leu	Glu
1				5					10					15	
Leu	Cys	Pro	Arg	Glu	Ala	Ala	Glu	Ala							
			20					25							

<210> 176

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 176

Ala	Asp	Gly	Ala	Glu	Cys	Phe	Ile	Asn	Lys	Gln	Arg	Ala	Asp	Leu	Glu
1				5					10					15	
Leu	Cys	Pro	Gly	Glu	Ala	Ala	Glu	Ala							
			20					25							

<210> 177

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 177

Ala	Asp	Gly	Ala	Gly	Cys	Phe	Ile	Asn	Lys	Gln	Met	Ala	Asp	Ser	Glu
1				5					10					15	
Leu	Cys	Pro	Ala	Ala	Ala	Ala	Glu	Ala							
			20					25							

<210> 178

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 178

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Ala Asp Gly Ala Gly Cys Phe Ile Asn Arg Gln Met Ala Asp Pro Glu
 1             5             10             15
Leu Cys Pro Arg Glu Ala Ala Glu Ala
                20             25
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<210> 179

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 179

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Ala Asp Gly Ala Gly Cys Phe Ile Glu Lys Gln Met Ala Asp Met Glu
 1             5             10             15
Leu Cys Gln Ala Arg Ala Ala Glu Ala
                20             25
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<210> 180

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 180

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Ala Asp Gly Ala Gly Cys Phe Ile Asn Lys Gln Met Ala Asp Trp Glu
 1             5             10             15
Leu Cys Pro Arg Glu Ala Ala Glu Ala
                20             25
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<210> 181

<211> 25  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chimeric

<400> 181  
Ala Asp Gly Ala Gly Cys Phe Ile Asn Lys Gln Met Ala Asp Trp Glu  
1 5 10 15  
Leu Cys Pro Arg Glu Ala Ala Glu Ala  
20 25

<210> 182  
<211> 25  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chimeric

<400> 182  
Ala Asp Gly Ala Gly Cys Phe Ile Glu Lys Gln Met Ala Asp Met Glu  
1 5 10 15  
Leu Cys Gln Arg Glu Thr Ala Glu Ala  
20 25

<210> 183  
<211> 25  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chimeric

<400> 183  
Ala Asp Gly Ala Gly Cys Phe Ile Asn Lys Gln Met Ala Asp Met Glu  
1 5 10 15  
Leu Cys Pro Arg Glu Ala Ala Glu Ala  
20 25

<210> 184  
<211> 25  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chimeric

<400> 184  
Ala Asp Gly Ala Gly Cys Phe Ile Asn Lys Gln Met Ala Asp Leu Glu  
1 5 10 15  
Leu Cys Pro Arg Glu Ala Ala Glu Ala  
20 25

<210> 185  
<211> 25  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chimeric

<400> 185  
Ala Asp Gly Ala Gly Cys Phe Arg Asn Lys Gln Met Ala Asp Leu Glu  
1 5 10 15  
Leu Cys Pro Arg Glu Ala Ala Glu Ala  
20 25

<210> 186  
<211> 25  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Chimeric

<400> 186  
Ala Asp Gly Ala Gly Cys Phe Ile Asn Lys Gln Met Ala Asp Leu Glu  
1 5 10 15

Leu Cys Pro Ala Arg Ala Ala Glu Ala  
20 25

<210> 187

<211> 25

<212> PRT

<213> Ala Asp Gly Ala Gly Cys Phe Ile Asn Arg Gln Leu u

<220>

<223> Chimeric

<400> 187

Ala Asp Gly Ala Gly Cys Phe Ile Asn Arg Gln Leu Ala Asp Met Glu  
1 5 10 15  
Leu Cys Ser Arg Gly Ala Ala Glu Ala  
20 25

<210> 188

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 188

Ala Asp Gly Ala Glu Cys Phe Ile Asn Arg Gln Met Ala Asp Leu Glu  
1 5 10 15  
Leu Cys Gly Arg Glu Ala Ala Glu Ala  
20 25

<210> 189

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 189



Ala Asp Gly Ala Gly Cys Phe Ile Ser Pro Gln Leu Ala Asp Trp Lys  
1 5 10 15  
Arg Cys Met Arg Glu Ala Ala Glu Ala  
20 25

<210> 190

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Chimeric

<400> 190

Ala Asp Gly Ala Gly Cys Ser Ile His Thr Gln Met Ala Asp Trp Glu  
1 5 10 15  
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Gln Leu Leu Cys  
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